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🌉 knexfile.js 🗸 🔳 🗴 🧱 20230613181159_migrat... 🗴 🌉 01_seed_data.js 🗴 🔣 alunos.js 🗴 🔣 professores.js 🤙 🕂
🔣 knexfile.js > 🏉 <unknown> > ...
 1 - module, exports = {
      development: {
        client: 'sqlite3',
        connection: {
         filename: './SCA.db'
        useNullAsDefault: true
```

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knexfile.js × 📕 20230613181159 migrat... v 🖹 × 📕 01 seed data.js × 📕 alunos.js × 📕 professores.js > +
migrations > 7 20230613181159 migration name.js > f up > ...
  1 - exports.up = function(knex) {
         return knex.schema
           .createTable('tb_alunos', function(table) {
             table.increments('id').primary();
             table.string('nome').notNullable();
             table.string('email').notNullable().unique();
           })
           .createTable('tb_professores', function(table) {
             table.increments('id').primary();
             table.string('nome').notNullable();
             table.string('email').notNullable().unique();
           })
           .createTable('tb_disciplinas', function(table) {
             table.increments('id').primary();
             table.string('nome').notNullable();
             table.integer('professor_id').unsigned().references('id').inTable('professores');
           });
       };
       exports.down = function(knex) {
         return knex.schema
           .dropTableIfExists('tb_disciplinas')
           .dropTableIfExists('tb alunos')
           .dropTableIfExists('tb_professores');
       };
```

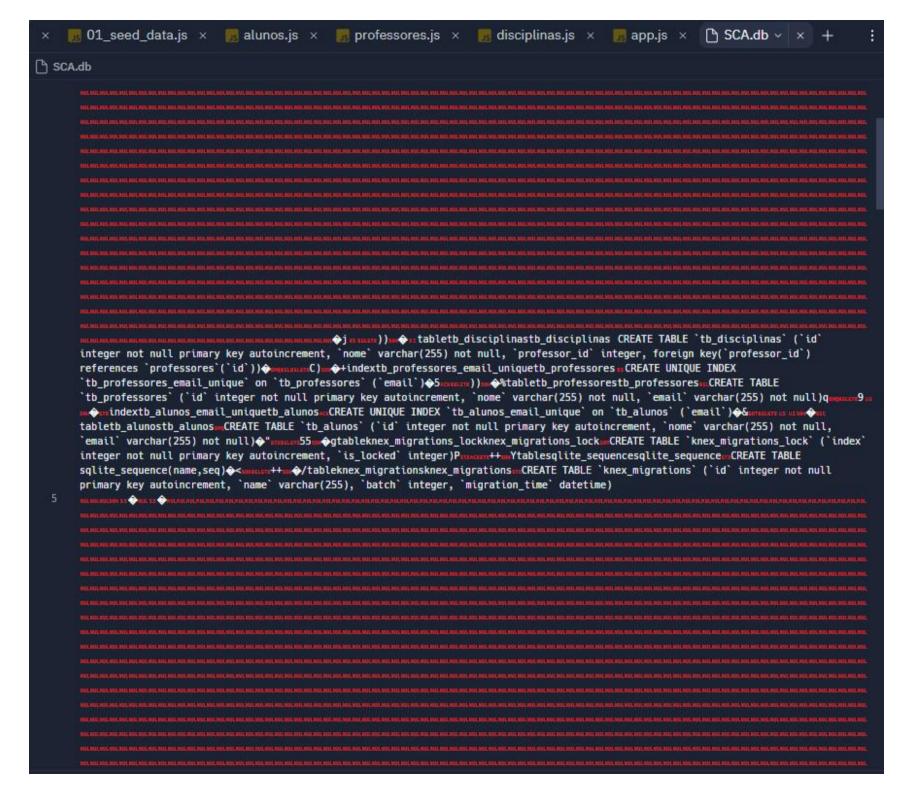
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🗀 seeds > 🔣 01_seed_data.js > ...
  1 exports.seed = async function(knex) {
        await knex('table_name').del()
  3    await knex('table_name').insert([
          {id: 1, colName: 'rowValue1'},
          {id: 2, colName: 'rowValue2'},
         {id: 3, colName: 'rowValue3'}
        1);
```

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imodel > iii alunos.js > ...
  1 const knex = require('knex');
  3 v const db = knex({
     client: 'sqlite3',
  5 connection: {
        filename: './database.sqlite3'
       useNullAsDefault: true
       });
 11 const Alunos = {
 12 ∨ getAll: async () ⇒ {
      return db('alunos');
        },
        getById: async (id) \Rightarrow {
        return db('alunos').where({ id }).first();
 20 v create: async (aluno) => {
        return db('alunos').insert(aluno);
        },
        update: async (id, aluno) => {
        return db('alunos').where({ id }).update(aluno);
         },
 28 ~
        delete: async (id) ⇒ {
        return db('alunos').where({ id }).del();
        }
       };
       module.exports = Alunos;
```

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imodel > iii professores.js > ...
  1 const knex = require('knex');
  3 v const db = knex({
        client: 'sqlite3',
        connection: {
        filename: './database.sqlite3'
        useNullAsDefault: true
      });
 11 v const Alunos = {
 12 ∨ getAll: async () ⇒ {
        return db('professores');
        },
        getById: async (id) => {
         return db('professores').where({ id }).first();
        },
        create: async (aluno) => {
         return db('professores').insert(aluno);
        },
        update: async (id, aluno) => {
         return db('professores').where({ id }).update(aluno);
        },
        delete: async (id) ⇒ {
         return db('professores').where({ id }).del();
        }
      };
      module.exports = Professores;
```

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model > R disciplinas.js > ...
  1 const knex = require('knex');
  3 v const db = knex({
        client: 'sqlite3',
  5 connection: {
        filename: './database.sqlite3'
        useNullAsDefault: true
       });
  11 - const Alunos = {
  12 ✓ getAll: async () ⇒ {
        return db('disciplinas');
         },
         getById: async (id) \Rightarrow {
        return db('disciplinas').where({ id }).first();
         },
  28 ~
         create: async (aluno) => {
        return db('disciplinas').insert(aluno);
         },
         update: async (id, aluno) => {
         return db('disciplinas').where({ id }).update(aluno);
         },
  28 ~
         delete: async (id) ⇒ {
        return db('disciplinas').where({ id }).del();
        }
       };
       module.exports = Disciplinas;
```

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 app.js > f run > ...
       const Alunos = require('./model/alunos');
       const Professores = require('./model/professores');
       const Disciplinas = require('./model/disciplinas');
  5 wasync function run() {
         trv {
           const allAlunos = await Alunos.getAll();
           console.log('Todos os alunos:', allAlunos);
           const newAluno = { nome: 'Pedro', email: 'pedro@example.com' };
           const createdAluno = await Alunos.create(newAluno);
           console.log('Aluno criado:', createdAluno);
           const updatedAluno = { nome: 'Pedro Silva', email: 'pedro.silva@example.com' };
           const idToUpdate = 1;
           const result = await Alunos.update(idToUpdate, updatedAluno);
           console.log('Aluno atualizado:', result);
           const idToDelete = 2;
           const deleteResult = await Alunos.delete(idToDelete);
           console.log('Aluno deletado:', deleteResult);
           const allProfessores = await Professores.getAll();
           console.log('Todos os professores:', allProfessores);
           const allDisciplinas = await Disciplinas.getAll();
           console.log('Todas as disciplinas:', allDisciplinas);
  28
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 package.json > ...
 1 - [
       "name": "nodejs",
       "version": "1.0.0",
       "main": "index.js",
       "scripts": {
       "test": "echo \"Error: no test specified\" && exit 1"
       "keywords": [],
       "author": "",
       "license": "ISC",
       "dependencies": {
       "@types/node": "^18.0.6",
        "knex": "^2.4.2",
        "node-fetch": "^3.2.6",
       "sqlite3": "^5.1.6"
      "description": ""
```